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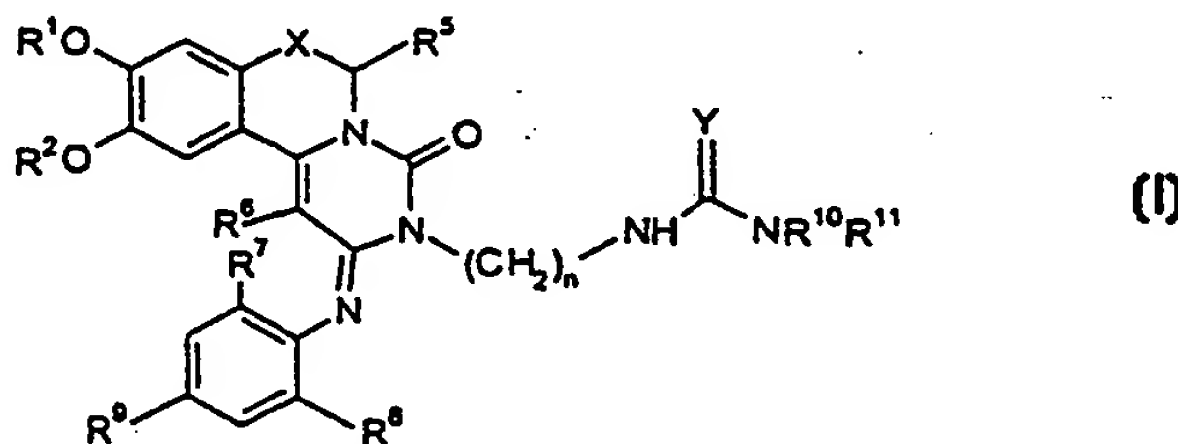
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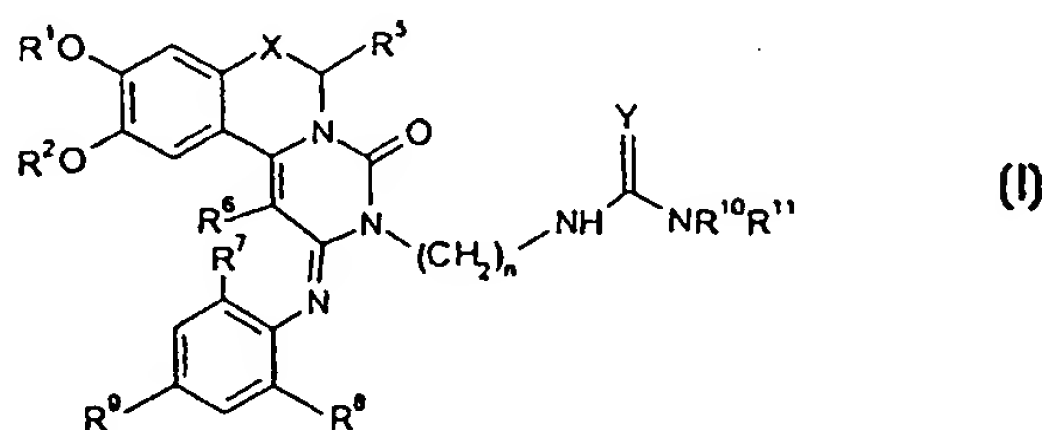


(57) Abstract

Compounds of general formula (I) wherein each of R<sup>1</sup> and R<sup>2</sup> independently represents a C<sub>1-6</sub> alkyl or C<sub>2-7</sub> acyl group; R<sup>5</sup> represents a hydrogen atom or a C<sub>1-3</sub> alkyl, C<sub>2-3</sub> alkenyl or C<sub>2-3</sub> alkynyl group; R<sup>6</sup> represents a hydrogen atom or a C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub> alkynyl, amino, C<sub>1-6</sub> alkylamino, di(C<sub>1-6</sub>) alkylamino or C<sub>2-7</sub> acylamino group; each of R<sup>7</sup> and R<sup>8</sup> independently represents a hydrogen or halogen atom or a hydroxy, trifluoromethyl, C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub> alkynyl, C<sub>2-7</sub> acyl, C<sub>1-6</sub> alkythio, C<sub>1-6</sub> alkoxy, C<sub>3-6</sub> cycloalkyl; and R<sup>9</sup> represents a hydrogen or halogen atom or a hydroxy, trifluoromethyl, C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub> alkynyl, C<sub>2-7</sub> acyl, C<sub>1-6</sub> alkythio, C<sub>1-6</sub> alkoxy or C<sub>3-6</sub> cycloalkyl group; X represents OCH<sub>2</sub> or a group CR<sup>3</sup>R<sup>4</sup>, wherein each of R<sup>3</sup> and R<sup>4</sup> independently represents a hydrogen atom or a C<sub>1-3</sub> alkyl group; each of R<sup>10</sup> and R<sup>11</sup> independently represents a hydrogen atom, a C<sub>1-3</sub> alkyl, C<sub>3-6</sub> cycloalkyl or phenyl group; y represents an oxygen atom or a group CHNO<sub>2</sub>, NCN, NH or NNO<sub>2</sub>, n is an integer from 2 to 4; or a salt thereof; are useful for treatment of respiratory disorders such as asthma. Compounds of the invention have a longer duration of action than the known compound trequinsin (9, 10-dimethoxy-3-methyl-2-mesitylimino-2,3,6,7-tetrahydro-4H-pyrimido[6,1-a]isoquinolin-4-one) and do not have trequinsin's very bitter taste.

## ABSTRACT

The invention provides compounds or salts thereof of the general formula (I):



wherein each of  $R^1$  and  $R^2$  independently represents a  $C_{1-6}$  alkyl or  $C_{2-7}$  acyl group; X represents  $OCH_2$  or a group  $CR^3R^4$ ; wherein each of  $R^3$  or  $R^4$  independently represents a hydrogen atom or a  $C_{1-3}$  alkyl group;  $R^5$  represents a hydrogen atom or a  $C_{1-3}$  alkyl,  $C_{2-3}$  alkenyl or  $C_{2-3}$  alkynyl group;  $R^6$  represents a hydrogen atom or a  $C_{1-6}$  alkyl,  $C_{2-6}$  alkenyl,  $C_{2-6}$  alkynyl, amino,  $C_{1-6}$  alkylamino, di( $C_{1-6}$ ) alkylamino or  $C_{2-7}$  acylamino group; each of  $R^7$  and  $R^8$  independently represents a hydrogen or halogen atom or a hydroxy, trifluoromethyl,  $C_{1-6}$  alkyl,  $C_{2-6}$  alkenyl,  $C_{2-6}$  alkynyl,  $C_{2-7}$  acyl,  $C_{1-6}$  alkylthio,  $C_{1-6}$  alkoxy,  $C_{3-6}$  cycloalkyl; and  $R^9$  represents a hydrogen or halogen atom or a hydroxy, trifluoromethyl,  $C_{1-6}$  alkyl,  $C_{2-6}$  alkenyl,  $C_{2-6}$  alkynyl,  $C_{2-7}$  acyl,  $C_{1-6}$  alkylthio,  $C_{1-6}$  alkoxy or  $C_{3-6}$  cycloalkyl group. The compounds or salts thereof are useful for treatment of respiratory disorders such as asthma. Compounds of the invention have a longer duration of action than the known compound trequinsin (9,10-dimethoxy-3 methyl-2-mesitylimino-2,3,6,7-tetrahydro-4H-pyrimido[6,1-a]isoquinolin-4-one).